

**REMARKS**

Applicant has carefully reviewed this Application in light of the Final Office Action mailed April 8, 2005, and Advisory Action Mailed July 11, 2005. Claims 1 and 3-5 are pending in this Application. Claims 2 and 6-7 were previously cancelled without prejudice or disclaimer. Claims 1 and 3-5 stand rejected under 35 U.S.C. §102(b). Claim 1 has been amended to further define various features of Applicant's invention. Applicant respectfully requests reconsideration and favorable action in this case.

**Rejections under 35 U.S.C. § 102**

Claims 1 and 3-5 were rejected by the Examiner under 35 U.S.C. §102(b) as being anticipated by U.S. Patent No. 4,945,507 issued to Ryuji Ishida ("Ishida"). Applicant respectfully traverses and submits the cited art does not teach all of the elements of the claimed embodiment of the invention.

*Ishida* discloses an overflow correction circuit for use in an arithmetic operation circuit. Specifically, *Ishida* discloses an adder 10 whose output 22 can be detected for an overflow condition by detector 34. Depending upon the type of overflow condition, overflow detector 34 then directs the selector to forward one of three values (the maximum value 28, the minimum value 32 or the results of the adder 10) to the accumulator 46.

Claim 1 recites a system comprising "[an] accumulator including guard bits, operatively connected to store the remaining portion of the result of the added operands or the remaining portion of the selected one of predetermined constants based on the control signals."

Applicant respectfully submits that the cited reference fails to disclose each and every element of Applicant's invention. *Ishida* fails to teach a system for overflow and saturation processing comprising "[an] accumulator including guard bits, operatively connected to store the remaining portion of the result of the added operands or the remaining portion of the selected one of predetermined constants based on the control signals," as recited by amended Claim 1. The cited reference fails to disclose the recited limitations and, therefore, cannot anticipate Claim 1.

Given that Claims 3-5 depend from Claim 1, Applicant respectfully submits that Claims 3-5 are allowable. As such, Applicant respectfully requests that the Examiner withdraw the rejections and allow Claims 1 and 3-5.

**Information Disclosure Statement**

Applicant encloses an Information Disclosure Statement and PTO Form 1449, with a copy of the references, for the Examiner's review and consideration. Applicant believes no fee is due with Information Disclosure Statement since Applicant is filing a Request for Continued Examination.

Applicant would like to bring to the Examiner's attention that Applicant filed an Information Disclosure Statement on July 6, 2005. Applicant respectfully requests that the Information Disclosure Statement be considered and cited in the examination of the above-referenced application. Applicant attaches a copy of the Information Disclosure Statement and PTO Form 1449 filed July 6, 2005, for the Examiner's convenience and a copy of the postcard receipt evidencing receipt by the Patent Office.

CONCLUSION

Applicant appreciates the Examiner's careful review of the application. Applicant has now made an earnest effort to place this case in condition for allowance in light of the amendments and remarks set forth above. For the foregoing reasons, Applicant respectfully requests reconsideration of the rejections and full allowance of Claims 1 and 3-5.

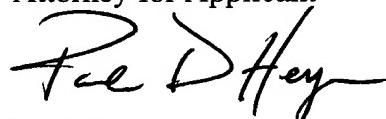
Applicant encloses a Request for Continued Examination (RCE) along with a check in the amount of \$790.00, and a Two-Month Petition for Extension of Time along with a check in the amount of \$450.00.

Applicant believes there are no further fees due at this time, however, the Commissioner is hereby authorized to charge any additional fees necessary or credit any overpayment to Deposit Account No. 50-2148 of Baker Botts L.L.P.

If there are any matters concerning this Application that may be cleared up in a telephone conversation, please contact Applicant's attorney at 512.322.2581.

Respectfully submitted,

BAKER BOTT S L.L.P.  
Attorney for Applicant



Paula D. Heyman  
Reg. No. 48,363

Date: Sept 6, 2005

SEND CORRESPONDENCE TO:

CUSTOMER NO.: **31625**

512.322.2581

512.322.8383 (fax)